

**Calendar No. 143**

109TH CONGRESS  
1ST SESSION

**S. 432**

**[Report No. 109–94]**

To establish a digital and wireless network technology program, and for other purposes.

---

IN THE SENATE OF THE UNITED STATES

FEBRUARY 17, 2005

Mr. ALLEN (for himself, Mr. TALENT, Mr. GRAHAM, Mr. MCCAIN, Mr. LOTT, Mr. WARNER, Mr. GRASSLEY, Mr. THUNE, Mrs. HUTCHISON, Mr. SANTORUM, Mr. PRYOR, Mr. BURNS, Mr. LAUTENBERG, Mrs. LINCOLN, Ms. MURKOWSKI, and Mr. CORNYN) introduced the following bill; which was read twice and referred to the Committee on Commerce, Science, and Transportation

JUNE 27, 2005

Reported by Mr. STEVENS, without amendment

---

**A BILL**

To establish a digital and wireless network technology program, and for other purposes.

1       *Be it enacted by the Senate and House of Representa-*  
2       *tives of the United States of America in Congress assembled,*

1 **SECTION 1. SHORT TITLE.**

2       This Act may be cited as the “Minority Serving Insti-  
3 tution Digital and Wireless Technology Opportunity Act  
4 of 2005”.

5 **SEC. 2. ESTABLISHMENT OF OFFICE.**

6       (a) IN GENERAL.—There is established within the  
7 National Science Foundation an Office of Minority Serv-  
8 ing Institution Digital and Wireless Technology to carry  
9 out the provisions of this Act.

10       (b) PURPOSE.—The Office shall—

11           (1) strengthen the ability of eligible institutions  
12 to provide capacity for instruction in digital and  
13 wireless network technologies by providing grants to,  
14 or executing contracts or cooperative agreements  
15 with, those institutions to provide such instruction;  
16 and

17           (2) strengthen the national digital and wireless  
18 infrastructure by increasing national investment in  
19 telecommunications and technology infrastructure at  
20 eligible institutions.

21 **SEC. 3. ACTIVITIES SUPPORTED.**

22       An eligible institution shall use a grant, contract, or  
23 cooperative agreement awarded under this Act—

24           (1) to acquire equipment, instrumentation, net-  
25 working capability, hardware and software, digital

1 network technology, wireless technology, and infra-  
2 structure;

3 (2) to develop and provide educational services,  
4 including faculty development, related to science,  
5 mathematics, engineering, or technology;

6 (3) to provide teacher education, library and  
7 media specialist training, and preschool and teacher  
8 aid certification to individuals who seek to acquire or  
9 enhance technology skills in order to use technology  
10 in the classroom or instructional process;

11 (4) to implement joint projects and consortia to  
12 provide education regarding technology in the class-  
13 room with a State or State education agency, local  
14 education agency, community-based organization,  
15 national non-profit organization, or business, includ-  
16 ing minority businesses;

17 (5) to provide professional development in  
18 science, mathematics, engineering, or technology to  
19 administrators and faculty of eligible institutions  
20 with institutional responsibility for technology edu-  
21 cation;

22 (6) to provide capacity-building technical assist-  
23 ance to eligible institutions through remote technical  
24 support, technical assistance workshops, distance

1 learning, new technologies, and other technological  
2 applications;

3 (7) to foster the use of information communica-  
4 tions technology to increase scientific, mathematical,  
5 engineering, and technology instruction and re-  
6 search; and

7 (8) to develop proposals to be submitted under  
8 this Act and to develop strategic plans for informa-  
9 tion technology investments.

10 **SEC. 4. APPLICATION AND REVIEW PROCEDURE.**

11 (a) IN GENERAL.—To be eligible to receive a grant,  
12 contract, or cooperative agreement under this Act, an eli-  
13 gible institution shall submit an application to the Direc-  
14 tor at such time, in such manner, and accompanied by  
15 such information as the Director may reasonably require.  
16 The Director, in consultation with the advisory council es-  
17 tablished under subsection (b), shall establish a procedure  
18 by which to accept and review such applications and pub-  
19 lish an announcement of such procedure, including a state-  
20 ment regarding the availability of funds, in the Federal  
21 Register.

22 (b) ADVISORY COUNCIL.—The Director shall estab-  
23 lish an advisory council to advise the Director on the best  
24 approaches for involving eligible institutions in the activi-  
25 ties described in section 3, and for reviewing and evalu-

1 ating proposals submitted to the program. In selecting the  
2 members of the advisory council, the Director may consult  
3 with representatives of appropriate organizations, includ-  
4 ing representatives of eligible institutions, to ensure that  
5 the membership of the advisory council reflects participa-  
6 tion by technology and telecommunications institutions,  
7 minority businesses, eligible institution communities, Fed-  
8 eral agency personnel, and other individuals who are  
9 knowledgeable about eligible institutions and technology  
10 issues. Any panel assembled to review a proposal sub-  
11 mitted to the program shall include members from minor-  
12 ity serving institutions. Program review criteria shall in-  
13 clude consideration of—

14 (1) demonstrated need for assistance under this  
15 Act; and

16 (2) diversity among the types of institutions re-  
17 ceiving assistance under this Act.

18 (c) DATA COLLECTION.—An eligible institution that  
19 receives a grant, contract, or cooperative agreement under  
20 section 2 shall provide the Office with any relevant institu-  
21 tional statistical or demographic data requested by the Of-  
22 fice.

23 (d) INFORMATION DISSEMINATION.—The Director  
24 shall convene an annual meeting of eligible institutions re-

1 ceiving grants, contracts, or cooperative agreements under  
2 section 2 for the purposes of—

- 3 (1) fostering collaboration and capacity-building  
4 activities among eligible institutions; and
- 5 (2) disseminating information and ideas gen-  
6 erated by such meetings.

7 **SEC. 5. MATCHING REQUIREMENT.**

8 The Director may not award a grant, contract, or co-  
9 operative agreement to an eligible institution under this  
10 Act unless such institution agrees that, with respect to the  
11 costs to be incurred by the institution in carrying out the  
12 program for which the grant, contract, or cooperative  
13 agreement was awarded, such institution will make avail-  
14 able (directly or through donations from public or private  
15 entities) non-Federal contributions in an amount equal to  
16 25 percent of the amount of the grant, contract, or cooper-  
17 ative agreement awarded by the Director, or \$500,000,  
18 whichever is the lesser amount. The Director shall waive  
19 the matching requirement for any institution or consor-  
20 tium with no endowment, or an endowment that has a cur-  
21 rent dollar value lower than \$50,000,000.

22 **SEC. 6. LIMITATIONS.**

23 (a) IN GENERAL.—An eligible institution that re-  
24 ceives a grant, contract, or cooperative agreement under  
25 this Act that exceeds \$2,500,000, shall not be eligible to

1 receive another grant, contract, or cooperative agreement  
 2 under this Act until every other eligible institution that  
 3 has applied for a grant, contract, or cooperative agreement  
 4 under this Act has received such a grant, contract, or co-  
 5 operative.

6 (b) AWARDS ADMINISTERED BY ELIGIBLE INSTITU-  
 7 TION.—Each grant, contract, or cooperative agreement  
 8 awarded under this Act shall be made to, and adminis-  
 9 tered by, an eligible institution, even when it is awarded  
 10 for the implementation of a consortium or joint project.

11 **SEC. 7. ANNUAL REPORT AND EVALUATION.**

12 (a) ANNUAL REPORT REQUIRED FROM RECIPI-  
 13 ENTS.—Each institution that receives a grant, contract,  
 14 or cooperative agreement under this Act shall provide an  
 15 annual report to the Director on its use of the grant, con-  
 16 tract, or cooperative agreement.

17 (b) EVALUATION BY DIRECTOR.—The Director, in  
 18 consultation with the Secretary of Education, shall—

19 (1) review the reports provided under sub-  
 20 section (a) each year; and

21 (2) evaluate the program authorized by section  
 22 3 on the basis of those reports every 2 years.

23 (c) CONTENTS OF EVALUATION.—The Director, in  
 24 the evaluation, shall describe the activities undertaken by  
 25 those institutions and shall assess the short-range and

1 long-range impact of activities carried out under the  
2 grant, contract, or cooperative agreement on the students,  
3 faculty, and staff of the institutions.

4 (d) REPORT TO CONGRESS.—The Director shall sub-  
5 mit a report to the Congress based on the evaluation. In  
6 the report, the Director shall include such recommenda-  
7 tions, including recommendations concerning the con-  
8 tinuing need for Federal support of the program, as may  
9 be appropriate.

10 **SEC. 8. DEFINITIONS.**

11 In this Act:

12 (1) ELIGIBLE INSTITUTION.—The term “eligi-  
13 ble institution” means an institution that is—

14 (A) a historically Black college or univer-  
15 sity that is a part B institution, as defined in  
16 section 322(2) of the Higher Education Act of  
17 1965 (20 U.S.C. 1061(2));

18 (B) a Hispanic-serving institution, as de-  
19 fined in section 502(a)(5) of the Higher Edu-  
20 cation Act of 1965 (20 U.S.C. 1101a(a)(5));

21 (C) a tribally controlled college or univer-  
22 sity, as defined in section 316(b)(3) of the  
23 Higher Education Act of 1965 (20 U.S.C.  
24 1059c(b)(3));



1 (D) an Alaska Native-serving institution  
 2 under section 317(b) of the Higher Education  
 3 Act of 1965 (20 U.S.C. 1059d(b));

4 (E) a Native Hawaiian-serving institution  
 5 under section 317(b) of the Higher Education  
 6 Act of 1965 (20 U.S.C. 1059d(b)); or

7 (F) an institution determined by the Direc-  
 8 tor, in consultation with the Secretary of Edu-  
 9 cation, to have enrolled a substantial number of  
 10 minority, low-income students during the pre-  
 11 vious academic year who received assistance  
 12 under subpart I of part A of title IV of the  
 13 Higher Education Act of 1965 (20 U.S.C.  
 14 1070a et seq.) for that year.

15 (2) DIRECTOR.—The term “Director” means  
 16 the Director of the National Science Foundation.

17 (3) MINORITY BUSINESS.—The term “minority  
 18 business” includes HUBZone small business con-  
 19 cerns (as defined in section 3(p) of the Small Busi-  
 20 ness Act (15 U.S.C. 632(p)).

21 **SEC. 9. AUTHORIZATION OF APPROPRIATIONS.**

22 There are authorized to be appropriated to the Direc-  
 23 tor of the National Science Foundation \$250,000,000 for  
 24 each of the fiscal years 2006 through 2010 to carry out  
 25 this Act.

Calendar No. 143

109TH CONGRESS  
1ST Session

**S. 432**

[Report No. 109-94]

**A BILL**

To establish a digital and wireless network  
technology program, and for other purposes.

JUNE 27, 2005

Reported without amendment